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May 2019 Edition

May Meeting Minutes

Russ Ramirez, K0WFS, called the meeting to order at 1 PM. 19 members were present.

- The March 2019 Minutes were approved.
- Paul Bushouse, N0TYE, reports that there is \$2422.70 in the checking account. This was after the purchase of a new projector.

Old Business:

No old business.

New Business:

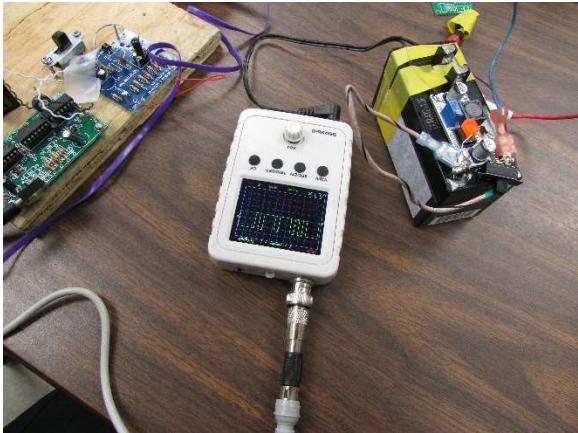
There was some discussion about the upcoming Field Day. The club does not have any plans at this time.

Show and Tell:

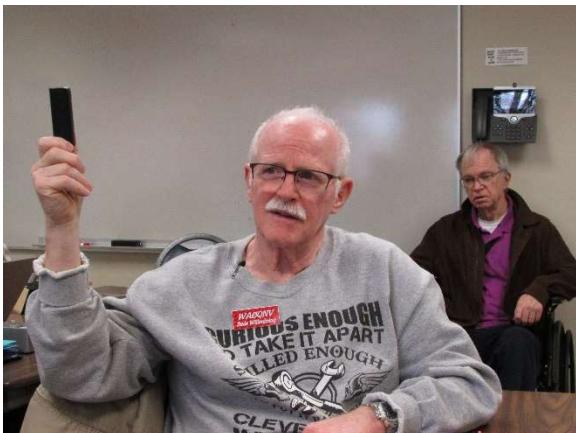
John Krawczak, KJ0P, brought in a small digital oscilloscope. This unit works to 200 KHz and is suitable for audio and low frequency signals. He also brought in a switch mode power supply that he obtained from MicroCenter. This was affixed to a 12V

battery and provided 9V output. Additionally, John brought in a Pink noise generator and explained how it was used for audio and data scrambling. He provided a demonstration of how the generator could be used for data scrambling.

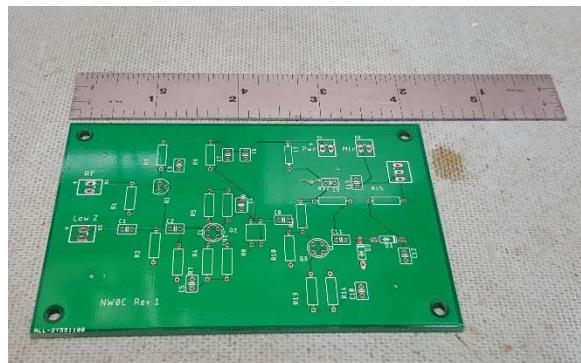




Bede Willenbring, WA0QNV, showed us a USB power supply and discussed the problem he encountered when supplying a higher load. He also brought in a 40 meter transceiver housed in an enclosure he built with a 3D printer. He described the challenges faced when doing this.



Steve Ulrich, NW0C, showed us a board he recently had fabricated in China. It is a wide band RF amp circuit. He also showed us a 80/40 meter vacuum tube transmitter he is in the process of building. At this point the metal work is done and major components mounted. When complete he hopes to get between 10 & 15 watts output.

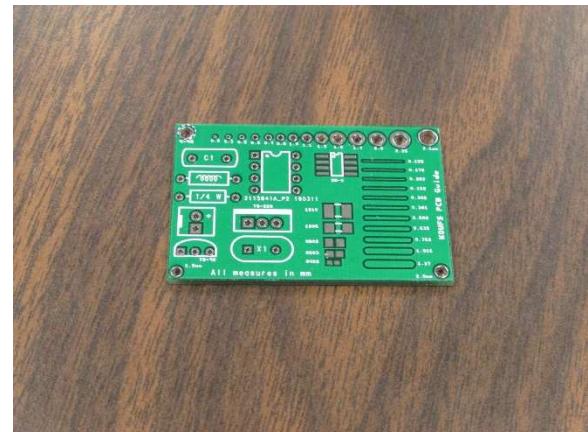




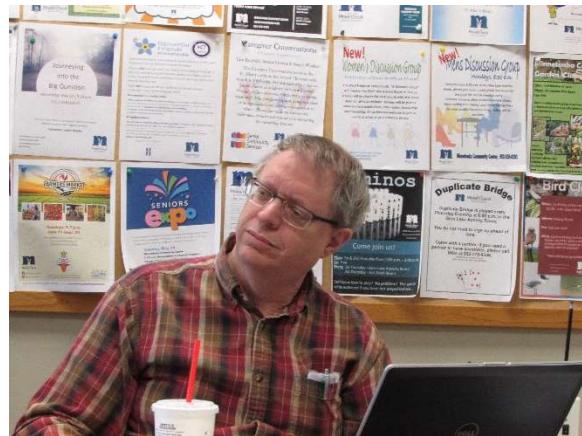
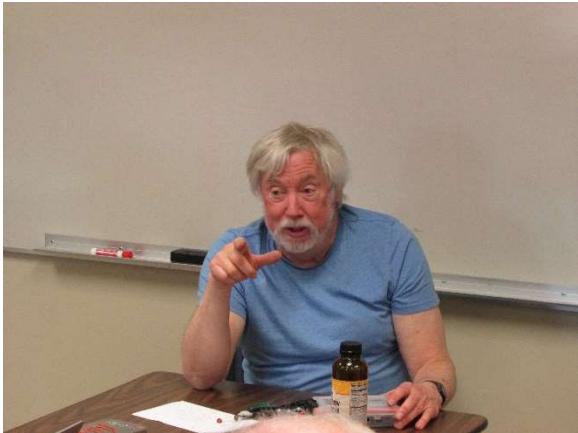
Mike Burk, KD0JXE, brought in his Field Strength Meter to which he added an amplifier to extend its range. He reports it now operates to -60 db.



Russ Ramirez, K0WFS, brought in a reference PCB for each of the members. This will be useful when designing a PCB.



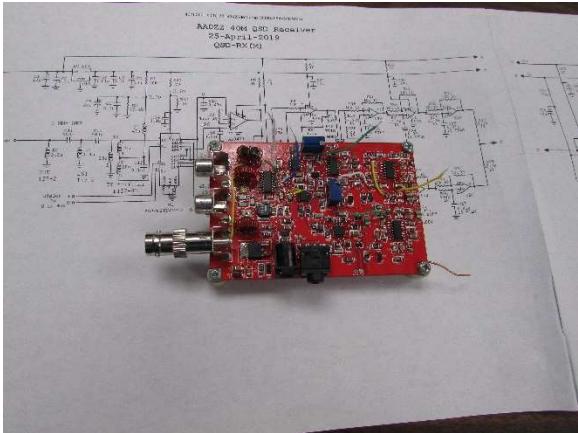
Craig Siegenthaler, W0BGO, brought in a number of Lipo batteries for anyone in the group that could use them. He also made available a 13.8 V @ 8 A power supply. Craig also showed us an inductance meter with four lead probes and explained what the extra set of leads were used for. Additionally, he brought in a voltage reference he bought on e-bay. It is very accurate.



Dan Bick, N0HAM, showed us a Raspberry Pi case with a fan he recently obtained. He also provided the group with a list of trade journals he has found helpful.

Craig Johnson, AA0ZZ, showed us the latest version of his 40 meter transceiver. He also showed us his next receiver with a Tayloe quadrature detector which provides I & Q outputs.





May Presentation

Russ Ramirez, K0WFS, selected a number of YouTube videos for the group to view. These included a very informative presentation on the use of Smith Charts.

Submitted by: Steve Ulrich/NW0C

Club Officers:

President: Russ Ramirez/K0WFS
Vice Pres: Jeremy Mooney/KC0LDI
Secretary: Steve Ulrich/NW0C
Treasurer: Paul Bushouse/N0TYE
At Large: Bob Liesenfeld/WB0POQ

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